

REPEATER FOR EXTENDING RANGE OF TIME  
DIVISION DUPLEX COMMUNICATION SYSTEM

ABSTRACT OF THE DISCLOSURE

A repeater that extends the range of a wireless communication system especially  
5 one using Time Division Duplex (TDD) protocols. The device preferably translates  
signals received on a first radio frequency channel to a second radio frequency channel.  
The repeater preferably monitors one or more channels for transmissions. When a  
transmission on one channel is detected, the repeater is configured to translate the  
received signal to another channel where it is then transmitted. The device thus solves a  
10 problem of isolating input and output signal from one another.